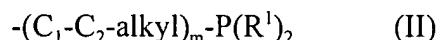


## AMENDMENTS TO THE CLAIMS

**Claim 1 (Original)** A process for generating  $^1\text{O}_2$ , which comprises treating a ferrocene of the formula



in which Fc is a ferrocene optionally substituted by dimethylaminoethyl,  $\text{C}_1\text{-C}_{12}$ -alkyl, aryl or carboxyalkyl, n may be 1 or 2 and X is a radical of the formula



where m may be 0 or 1 and  $\text{R}^1$  is phenyl, cyclohexyl, tert-butyl, ethyl, isopropyl, methyl, methoxy, ethoxy, phenoxy or butoxy,

in an organic solvent at a temperature of from  $-80^\circ\text{C}$  to  $+20^\circ\text{C}$  with 1 to 4 mol of ozone per mole of ferrocene compound, as a result of which  $^1\text{O}_2$  forms.

**Claim 2 (Original)** The process as claimed in claim 1, wherein the ferrocene compound used is 1-(diphenylphosphino)ferrocene, 1,1'-bis(diphenylphosphino)ferrocene, (S,R)-1-(1-dimethylaminoethyl)-1',2-bis(diphenylphosphino)ferrocene, (R,R)-1-(1-dimethylaminoethyl)-1',2-bis(diphenylphosphino)ferrocene, (S,S)-1-(dicyclohexylphosphino)-2-[1-(diphenylphosphino)ethyl]ferrocene, (S,S)-1-(dicyclohexylphosphino)-2-[1-(dicyclohexylphosphino)ethyl]ferrocene, (R,R)-1-(dicyclohexylphosphino)-2-[1-(dicyclohexylphosphino)ethyl]ferrocene, (R,R)-1-(dicyclohexylphosphino)-2-[1-(diphenylphosphino)ethyl]ferrocene, (R,R)-1-[1-di-tert-butylphosphino)ethyl]-2-(diphenylphosphino)ferrocene or (R,R)-1-[1-(dicyclohexylphosphino)ethyl]-2-(diphenylphosphino)ferrocene.

**Claim 3 (Original)** The process as claimed in claim 1, wherein the organic solvent used is ethyl acetate, butyl acetate, methanol, ethanol, dichloromethane or acetic acid.

**Claim 4 (Original)** The process as claimed in claim 1, wherein the reaction temperature is  $-50$  to  $-5^\circ\text{C}$ .

**Claim 5 (Original)** The process as claimed in claim 1, wherein one to two equivalents of ozone are used.

**Claim 6 (Currently Amended)** ~~The use of  $^1\text{O}_2$  generated as in claim 1~~ A method for the oxidation of organic substrates ~~which react with  $^1\text{O}_2$  by reacting with  $^1\text{O}_2$  as generated in claim 1.~~

**Claim 7 (Currently Amended)** The ~~use~~ method as claimed in claim 6, wherein a solution of an organic substrate which reacts with  $^1\text{O}_2$  is metered in during the reaction of the ferrocene compound with ozone.

**Claim 8 (Currently Amended)** The ~~use~~ method as claimed in claim 6, wherein a solution of an organic substrate which reacts with  $^1\text{O}_2$  is metered in after the reaction of the ferrocene compound with ozone, following removal of any excess ozone.

**Claim 9 (Currently Amended)** The ~~use~~ method as claimed in claim 7 ~~or 8~~, wherein the solvent used for the substrate is ethyl acetate, butyl acetate, methanol, ethanol, dichloromethane or acetic acid.

**Claim 10 (New)** The method as claimed in claim 8, where in the solvent used for the substrate is ethyl acetate, butyl acetate, methanol, ethanol, dichloromethane or acetic acid.